OPTICS COMMUNICATIONS

Volume 244, issues 1–6, 3 January 2005

Abstracted/Indexed in: Chemical Abstracts/Current Contents: Engineering, Computing and Technology/Current Contents: Physical, Chemical & Earth Sciences/EI Compendex Plus/Engineering Index/INSPEC

Contents

Physical optics

A.G. Shvedko, A.S. Grabtchikov and V.A. Orlovich, Influence of phase coherence decay on generation of solitary waves in stimulated Raman scattering 1

G. Atondo-Rubio, R. Espinosa-Luna and A. Mendoza-Suárez, Mueller matrix determination for one-dimensional rough surfaces with a reduced number of measurements 7

E. Eremina, Y. Eremin and T. Wriedt, Analysis of light scattering by erythrocyte based on discrete sources method 15

A.N. Kireev and Th. Graf, Symmetric vector coupled-mode theory of dielectric waveguides 25

Optical information and image processing

B. Colicchio, O. Haeberlé, C. Xu, A. Dieterlen and G. Jung, Improvement of the LLS and MAP deconvolution algorithms by automatic determination of optimal regularization parameters and pre-filtering of original data 37

C. Chen and W. Wu, Color pattern recognition with the multi-channel non-zero-order joint transform correlator based on the HSV color space 51

M.G. Ertosun, H. Atlı, H.M. Ozaktas and B. Barshan, Complex signal recovery from two fractional Fourier transform intensities: order and noise dependence 61

W.-P. Zang, J.-G. Tian, Z.-B. Liu, W.-Y. Zhou, F. Song and C.-P. Zhang, Coordinate transformation and coordinate mapping for numerical simulation of Z-scan measurements 71

I. Bányász, Refractive index modulation vs. before-bleach optical density modulation characteristics of silver halide phase holograms 79

Q. Wang and S. Liu, Morphological phase-only correlation 93

M. Komarčević, I.G. Manolis, T.D. Wilkinson and W.A. Crossland, Polarization effects in reconfigurable liquid crystal phase holograms 105

J. Mandal, Y. Shen, S. Pal, T. Sun, K.T.V. Grattan and A.T. Augousti, Bragg grating tuned fiber laser system for measurement of wider range temperature and strain 111

T. Xionggui, G. Fuhua, G. Yongkang, D. Jinglei, L. Shijie and G. Feng, Analysis and simulation of diffractive imaging field in thick film photoresist by using angular spectrum theory 123

Guided wave optics

H. Renner, Impact of UV-induced mode-field deformation on residual stress birefringence in single-mode fibers 131

Y.J. Rao, A.Z. Hu and Y.C. Niu, A novel dynamic LPFG gain equalizer written in a bend-insensitive fiber 137

H.S. Chung, J. Han, S.H. Chang and K. Kim, A Raman plus linear optical amplifier as an inline amplifier in a long-haul transmission of 16 channels × 10 Gbit/s over single-mode fiber of 1040 km 141

A. Huttunen, K. Varis, K. Kataja, J. Aikio and P. Törmä, Guiding and reflecting light by boundary material 147

K. Chen, P.L. Chu and H.P. Chan, A vertically coupled polymer optical waveguide switch 153

(Continued inside)

0030-4018(20050103)244:1-6;1-E

Vol. 244
Iss. 1 - 6
JAN 3

2005